

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10583186
Filing Date	2007-05-15
First Named Inventor	Kappe
Art Unit	1645
Examiner Name	A.M. Navarro
Attorney Docket Number	SBHU127448

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	7122179	B2	2006-10-17	Kappe	
	2	7261884	B2	2007-08-28	Kappe	

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS								Remove
Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> <sup>j</sup>	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1	00/08165	WO	A1	2000-02-17	Sondermeijer		<input type="checkbox"/>
	2	2004/026903	WO	A2	2004-04-01	Van Poppel		<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10583186
Filing Date	2007-05-15
First Named Inventor	Kappe
Art Unit	1645
Examiner Name	A.M. Navarro
Attorney Docket Number	SBHU127448

	3	2004/045559	WO	A2	2004-06-03	Hoffman		<input type="checkbox"/>
--	---	-------------	----	----	------------	---------	--	--------------------------

If you wish to add additional Foreign Patent Document citation information please click the Add button

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	BUTLER, D., "Mosquito Production Mooted as Fast Track to Malaria Vaccine," Nature 425:437, October 2003.	<input type="checkbox"/>
	2	DOOLAN, D.L., and S.L. HOFFMAN, "The Complexity of Protective Immunity Against Liver-Stage Malaria," Journal of Immunology 165:1453-1462, 2000.	<input type="checkbox"/>
	3	FANDEUR, T., et al., "Protection of Squirrel Monkeys Against Virulent Plasmodium falciparum Infections by Use of Attenuated Parasites," Infection and Immunity 60(4):1390-1396, April 1992.	<input type="checkbox"/>
	4	GOOD, M.F., "Genetically Modified Plasmodium Highlights the Potential of Whole Parasite Vaccine Strategies," TRENDS in Immunology 26(6):295-297, June 2005.	<input type="checkbox"/>
	5	GOOD, M.F., "Towards a Blood-Stage Vaccine for Malaria: Are We Following All the Leads?" Nature Reviews Immunology 1:117-125, November 2001.	<input type="checkbox"/>
	6	GUERIN-MARCHAND, C., et al., "A Liver-Stage-Specific Antigen of Plasmodium falciparum Characterized by Gene Cloning," Nature 329:164-167, September 1987.	<input type="checkbox"/>
	7	HOFFMAN, S.L., and D.L. DOOLAN, "Malaria Vaccines-Targeting Infected Hepatocytes," Nature Medicine 6(11):1218-1219, November 2000.	<input type="checkbox"/>
	8	HOFFMAN, S.L., et al., "Protection of Humans Against Malaria by Immunization with Radiation-Attenuated Plasmodium falciparum Sporozoites," Journal of Infectious Diseases 185:1155-1164, 2002.	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10583186
Filing Date	2007-05-15
First Named Inventor	Kappe
Art Unit	1645
Examiner Name	A.M. Navarro
Attorney Docket Number	SBHU127448

9	HOFFMAN, S., "Malaria Save the Children," <i>Nature</i> 430:940-941, August 2004.	<input type="checkbox"/>
10	JAMES, S., and L. MILLER, "Malaria Vaccine Development: Status Report," NIAID, January 5, 2001, < <a href="http://www.niaid.nih.gov/dmid/malaria/malariavac.htm">http://www.niaid.nih.gov/dmid/malaria/malariavac.htm</a> > [retrieved October 15, 2004], pp. 1-15.	<input type="checkbox"/>
11	KAISER, K., et al., "Differential Transcriptome Profiling Identifies Plasmodium Genes Encoding Pre-Erythrocytic Stage-Specific Proteins," <i>Molecular Microbiology</i> 51(5):1221-1232, 2004.	<input type="checkbox"/>
12	KAPPE, S.H.I., et al., "Plasmodium Sporozoite Molecular Cell Biology," <i>Annual Review of Cell and Developmental Biology</i> 20:29-59, 2004.	<input type="checkbox"/>
13	LUKE, T.C., and S.L. HOFFMAN, "Rationale and Plans for Developing a Non-Replicating, Metabolically Active, Radiation-Attenuated Plasmodium falciparum Sporozoite Vaccine," <i>Journal of Experimental Biology</i> 206:3803-3808, 2003.	<input type="checkbox"/>
14	MAHANTY, S., et al., "Progress in the Development of Recombinant and Synthetic Blood-Stage Malaria Vaccines," <i>Journal of Experimental Biology</i> 206:3781-3788, 2003.	<input type="checkbox"/>
15	MENARD, R., "Knockout Malaria Vaccine?" <i>Nature</i> 433:113-114, January 2005.	<input type="checkbox"/>
16	MUELLER, A.-K., et al., "Plasmodium Liver Stage Developmental Arrest by Depletion of a Protein at the Parasite-Host Interface," <i>PNAS</i> 102(8):3022-3027, February 2005.	<input type="checkbox"/>
17	MUELLER, A.-K., et al., "Two Small Secretory Molecules Affect Development of Plasmodium sporozoites in Hepatocytes," <i>Proceedings of the Scientific Program of the DGP, 21st Annual Meeting, Würzburg, Germany, March 17-20, 2004, Abstract No. 154VB, International Journal of Medical Microbiology</i> 293(Supp. 30):103, 2004.	<input type="checkbox"/>
18	SCHELLER, L.F., and A.F. AZAD, "Maintenance of Protective Immunity Against Malaria by Persistent Hepatic Parasites Derived From Irradiated Sporozoites," <i>Proceedings of the National Academy of Science USA</i> 92:4066-4068, April 1995.	<input type="checkbox"/>
19	SILVIE, O., et al., "Effects of Irradiation on Plasmodium falciparum Sporozoite Hepatic Development: Implications for the Design of Pre-Erythrocytic Malaria Vaccines," <i>Parasite Immunology</i> 24:221-223, 2002.	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10583186
Filing Date	2007-05-15
First Named Inventor	Kappe
Art Unit	1645
Examiner Name	A.M. Navarro
Attorney Docket Number	SBHU127448

20	SUZUKI, M., et al., "An Alternative Approach to Malaria Vaccine With a Permanent Attenuated Mutant From a High Virulence Plasmodium Berghet Strain," Zentralblatt für Bakteriologie, Mikrobiologie, und Hygiene [A] 264(3-4):319-325, May 1987. (Abstract only.)	<input type="checkbox"/>
21	WATERS, A.P., et al., "Malaria Vaccines: Back to the Future?" Science 307:528-530, January 2005.	<input type="checkbox"/>
22	WORTHEY, E.A., and P.J. MYLER, "Protozoan Genomes: Gene Identification and Annotation," International Journal for Parasitology 35:495-512, 2005.	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

**EXAMINER SIGNATURE**

Examiner Signature	/Albert M Navarro/	Date Considered	05/21/2009
--------------------	--------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.